

Amendments to the Specification

Please replace the paragraph beginning on page 2, line 23, with the following rewritten paragraph:

A multiplexer 12 combines the four sample sequences 26 into a multiplexed sequence ~~26~~ 28. Two characteristics of this multiplexed sequence are particularly noteworthy. First, the original four sample sequences are interleaved to create the multiplexed sequence. Thus, the sample order in the multiplexed sequence is: